

Sustainable Sunnyvale

Where We Are / Where We're Going

RevDRAFT

AIR QUALITY

Lead: Community Development Department

Goal: Improve Sunnyvale's Air Quality and reduce the exposure of its citizens to air pollutants.
(Policy 3.7.1, Goal 3.7A)

Current Services & Practices

Services

- Participation in regional Spear-the-Air Day and other 511.org activities.
- Time traffic signals
- Build and maintain bike lanes and pedestrian facilities (walkways, sidewalks) to encourage bike riding and walking.
- Member of the Moffett Park Business and Transportation Association (part of TDM program for employees), which promotes alternative transportation.
- Sponsor Bike-to-Work day and promote bicycling in general.
- Subsidize the installation of bicycle parking.
- Build or authorize construction of transit facilities.
- Participate in Santa Clara County Congestion Management Program.
- Place TDM requirements on certain types of development.

Practices

Air Quality

- Fire simulation for necessary training using a CNG burn trailer, which emits far fewer particulates using a vented system, rather than burning wood, kerosene and flares.
- Propane based fire simulator in the Fire Station 2 Training Tower which emits far fewer particulates than burning wood, kerosene and flares.
- Use of vegetable oil based smoke machines to simulate smoke conditions in fire training.
- Use of low emissions vehicles including CNG, EV and Hybrid technology for emergency vehicles and DPS fleet vehicles.
- Use of carpooling for training and other activities requiring transportation in City vehicles.
- Specifying low emission diesel engine technology in recent and future fire engine purchases.

Carbon Dioxide Reduction Plan

- Use of low emissions vehicles including CNG, EV and Hybrid technology for emergency vehicles and DPS fleet vehicles.
- Use of carpooling for training and other activities requiring transportation in city vehicles.
- Specifying low emission diesel engine technology in recent and future fire engine purchases.

Services / Policies in Development

Services

- Continue membership in Sustainable Silicon Valley and officially adopts its standard goal of 20% reduction of CO₂ emissions (from 1990 baseline year levels) from 15 City facilities, fleet, traffic lights and streetlights by 2010.
- Develop project-specific plans and budget proposals for consideration in the budget process and, subject to the City's ability to fund and execute the projects, to implement all recommended Tier 1 and Tier 2 projects; and to return to Council in 2009, or as needed, to evaluate additional measures in order to reach a 20% emission reduction goal.
- Revision of the Exclusive Use Permit to require a permit for an open fire in park fire pits to control materials burned and reduce air pollution.

Policies

- Participation in the U.S. Mayor's Climate Protection Agreement.
- Participation in the California Climate Action Registry.

Into the Future - DRAFT

- Best practices for review
- Potential items for Study Issue papers

Operations

- Promote use of public transportation, include developing incentive programs for employees, re-instating employee Eco-pass.
- Incorporate green building techniques into new public buildings and retrofits which address indoor and outdoor air quality, such as use of low-emitting materials (adhesives & sealants, paints & coatings, carpet systems, composite wood & agri-fiber products), outdoor air delivery monitoring
- Adopt ICLEI—Local Governments for Sustainability standards, develop work plan, and implement plan.
- Retrofit vehicles to incorporate air quality measures.

Policy

- Air Quality Sub-Element Update, incorporating Bay Area Quality Management District (BAQMD) recommendations (STUDY ISSUE PAPER)
- Promote TDM for private development.
- Promote a more aggressive urban forest program to help clean the air.
- Promote use of green power (local and regional impact).
- Considering including a "green practices" measurement into the award process for vendors.